

Name: \_\_\_\_\_

**at1110paper\_practice\_test (v31)**

1. Expand the following expression into standard form.

$$(8x + 9)(7x - 3)$$

2. Solve the equation.

$$(3x + 2)(7x - 6) = 0$$

3. Expand the following expression into standard form.

$$(5x + 6)(5x - 6)$$

4. Expand the following expression into standard form.

$$(5x + 6)^2$$

5. Factor the expression.

$$x^2 - 7x + 12$$

6. Factor the expression.

$$16x^2 - 9$$

7. Solve the equation with factoring by grouping.

$$10x^2 + 12x - 15x - 18 = 0$$

8. Solve the equation.

$$7x^2 - 15x - 50 = 4x^2 - 5x - 2$$